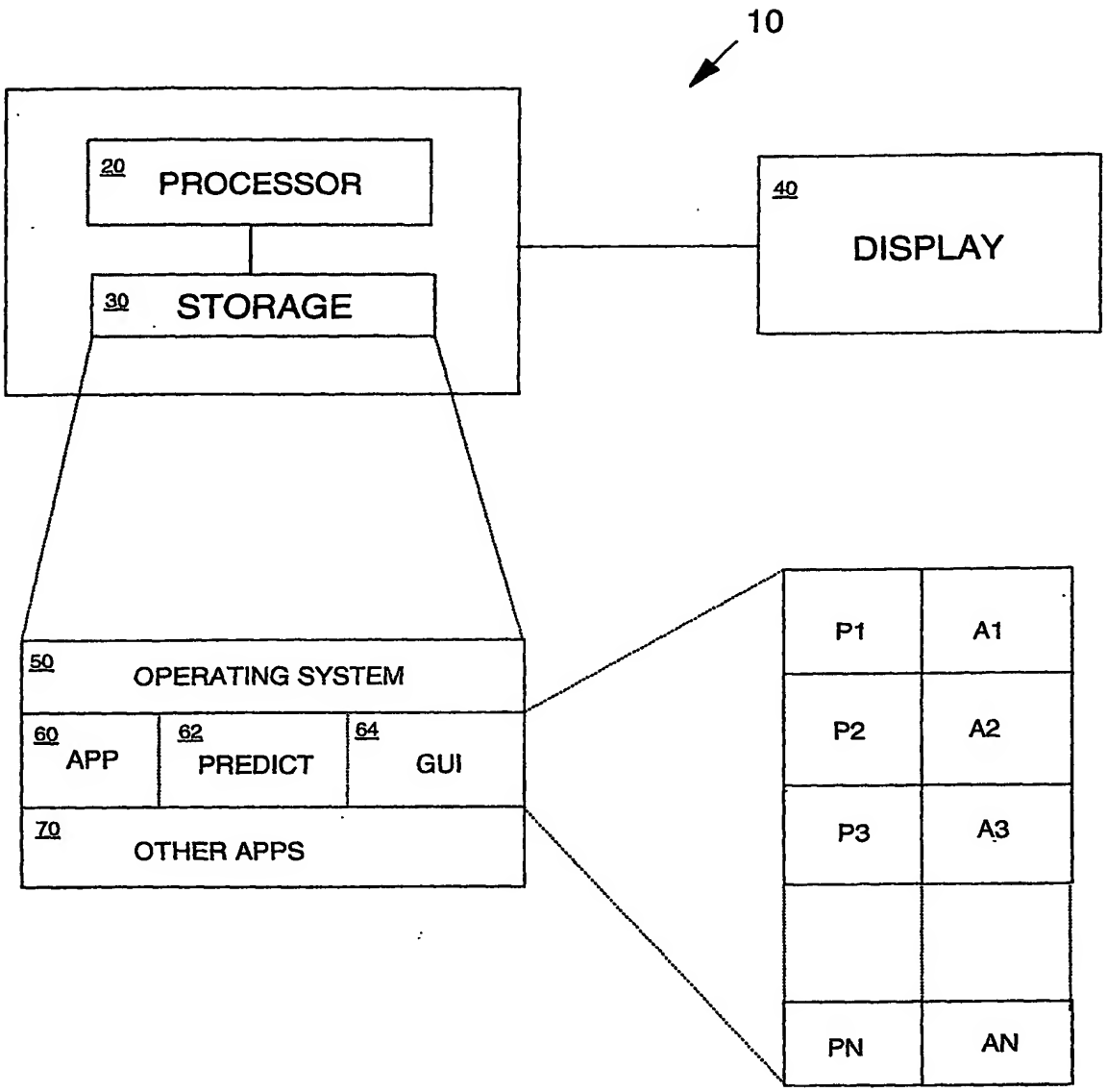
10
20
PROCESSOR
30
STORAGE
40
DISPLAY
50
OPERATING SYSTEM
60
APP
62
PREDICT
64
GUI
70
OTHER APPS
P1
A1
P2
A2
P3
A3
PN
AN

Figure 1

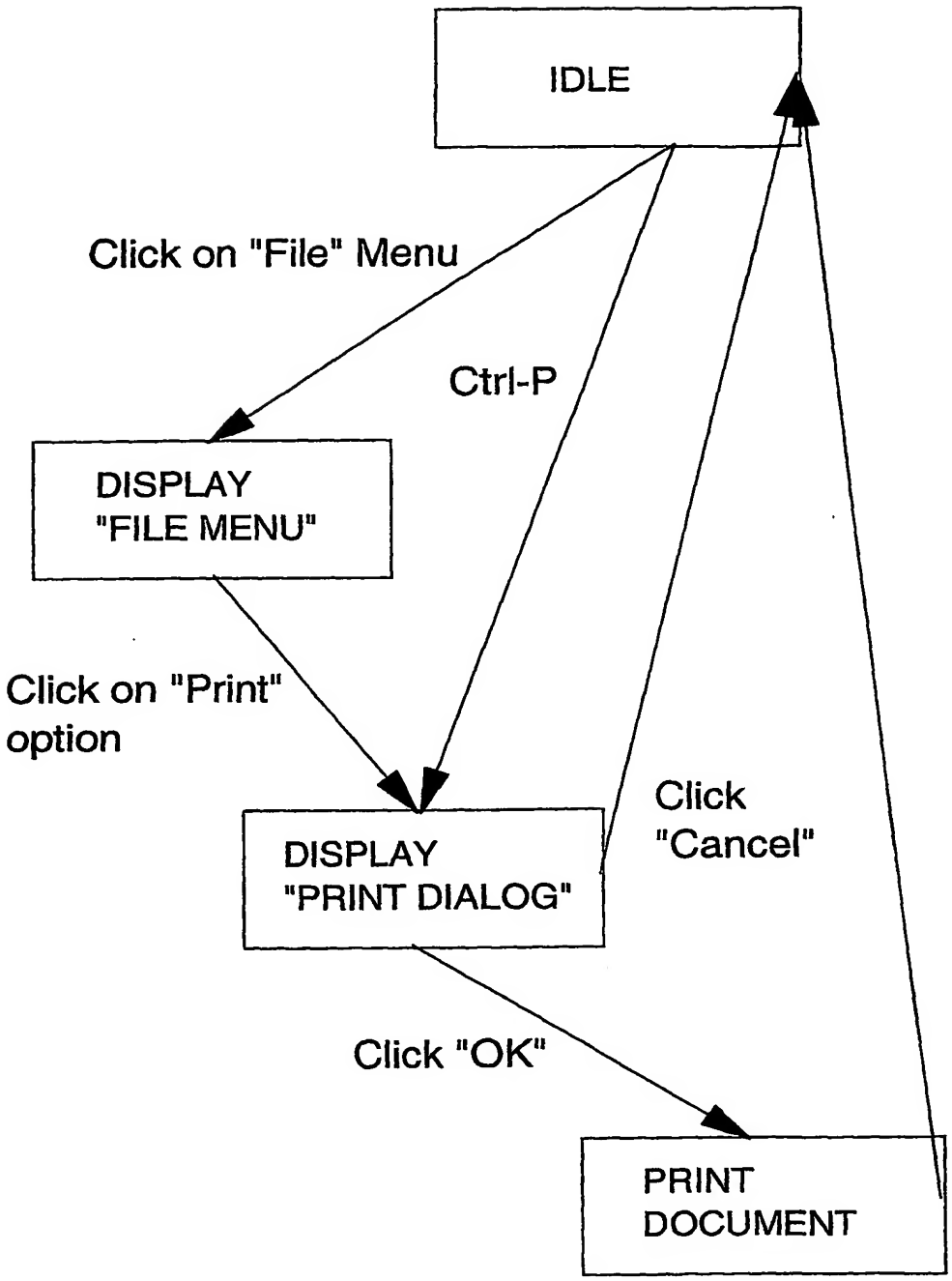
IDLE
Click on "File" Menu
Ctrl-P
DISPLAY
"FILE MENU"
Click on "Print"
option
Click
"Cancel"
DISPLAY
"PRINT DIALOG"
Click "OK"
PRINT
DOCUMENT

Figure 2

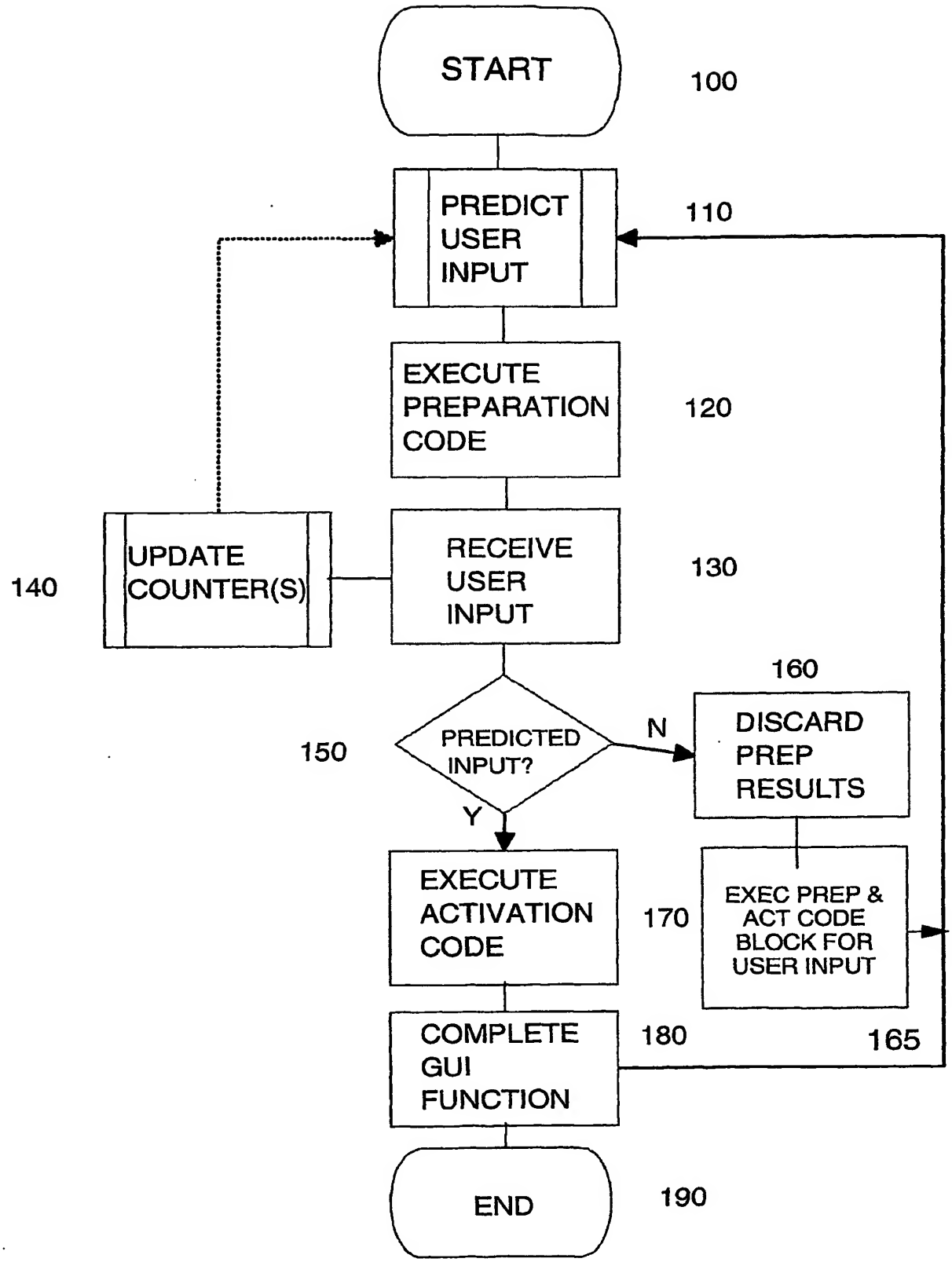
START
100
PREDICT USER INPUT
110
EXECUTE PREPARATION CODE
120
RECEIVE USER INPUT
130
UPDATE COUNTER(S)
140
PREDICTED INPUT?
150
N
Y
160
DISCARD PREP RESULTS
EXEC PREP & ACT CODE BLOCK FOR USER INPUT
170
EXECUTE ACTIVATION CODE
COMPLETE GUI FUNCTION
180
165
END
190

Figure 3

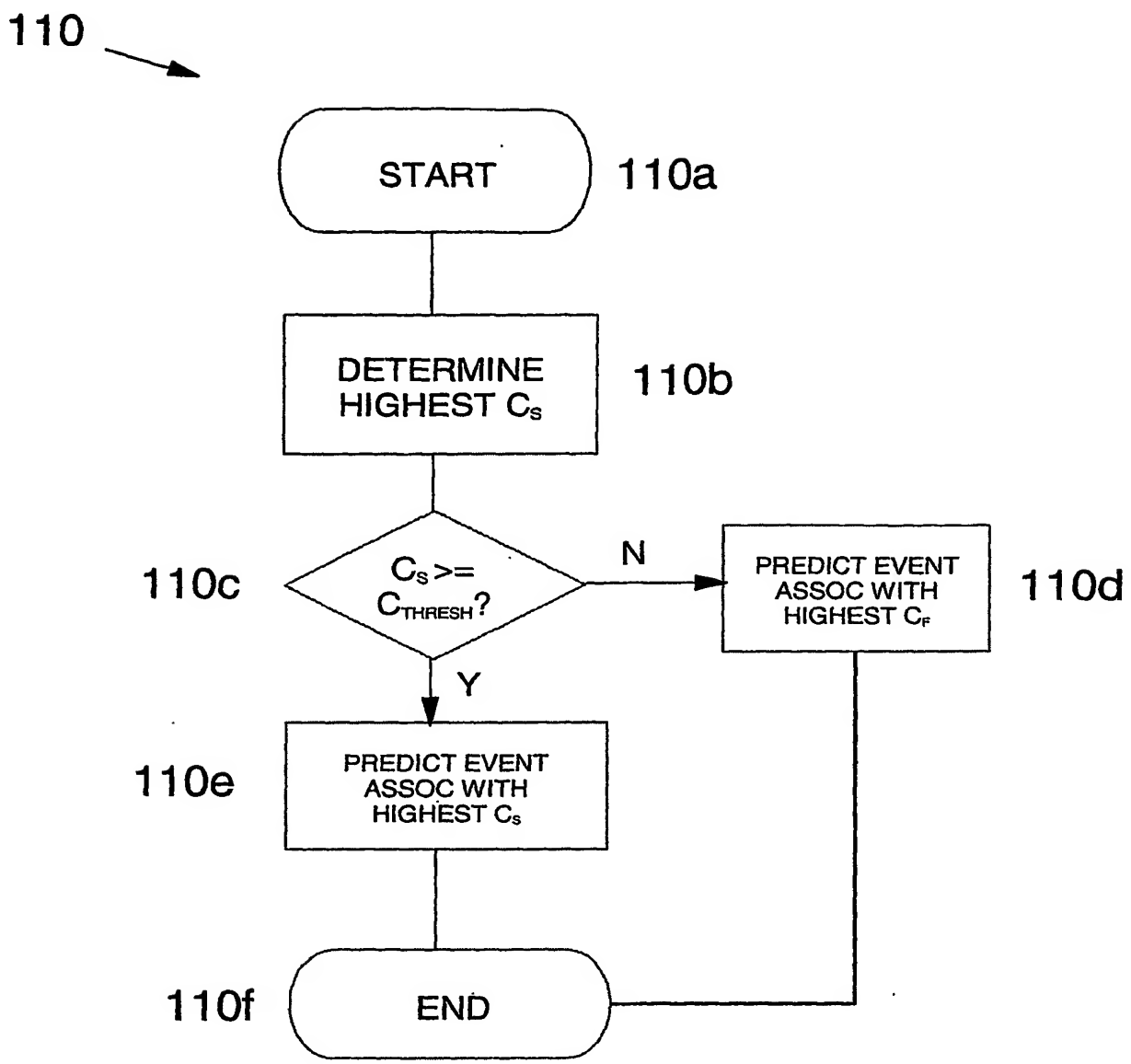
110
START
110a
DETERMINE HIGHEST C_S
110b
110c
C_S >= C_{THRESH}?
N
PREDICT EVENT ASSOC WITH HIGHEST C_F
110d
Y
110e
PREDICT EVENT ASSOC WITH HIGHEST C_S
110f
END

Figure 4

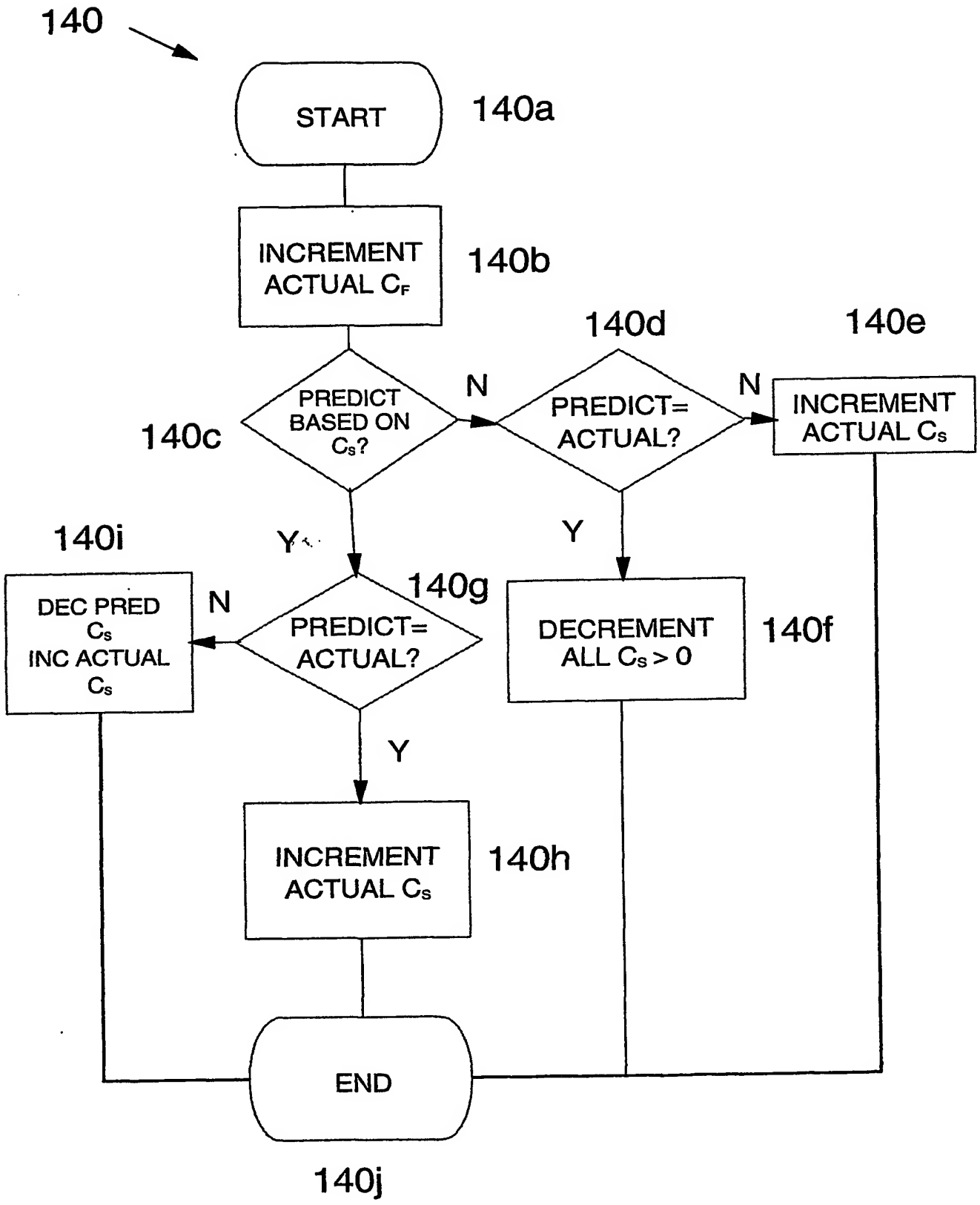
140
START
140a
INCREMENT ACTUAL C_F
140b
140d
140e
PREDICT BASED ON C_S?
140c
N
PREDICT= ACTUAL?
N
INCREMENT ACTUAL C_S
140i
Y
Y
DEC PRED C_S INC ACTUAL C_S
N
140g
PREDICT= ACTUAL?
DECREMENT ALL $C_S > 0$
140f
Y
INCREMENT ACTUAL C_S
140h
END
140j

Figure 5

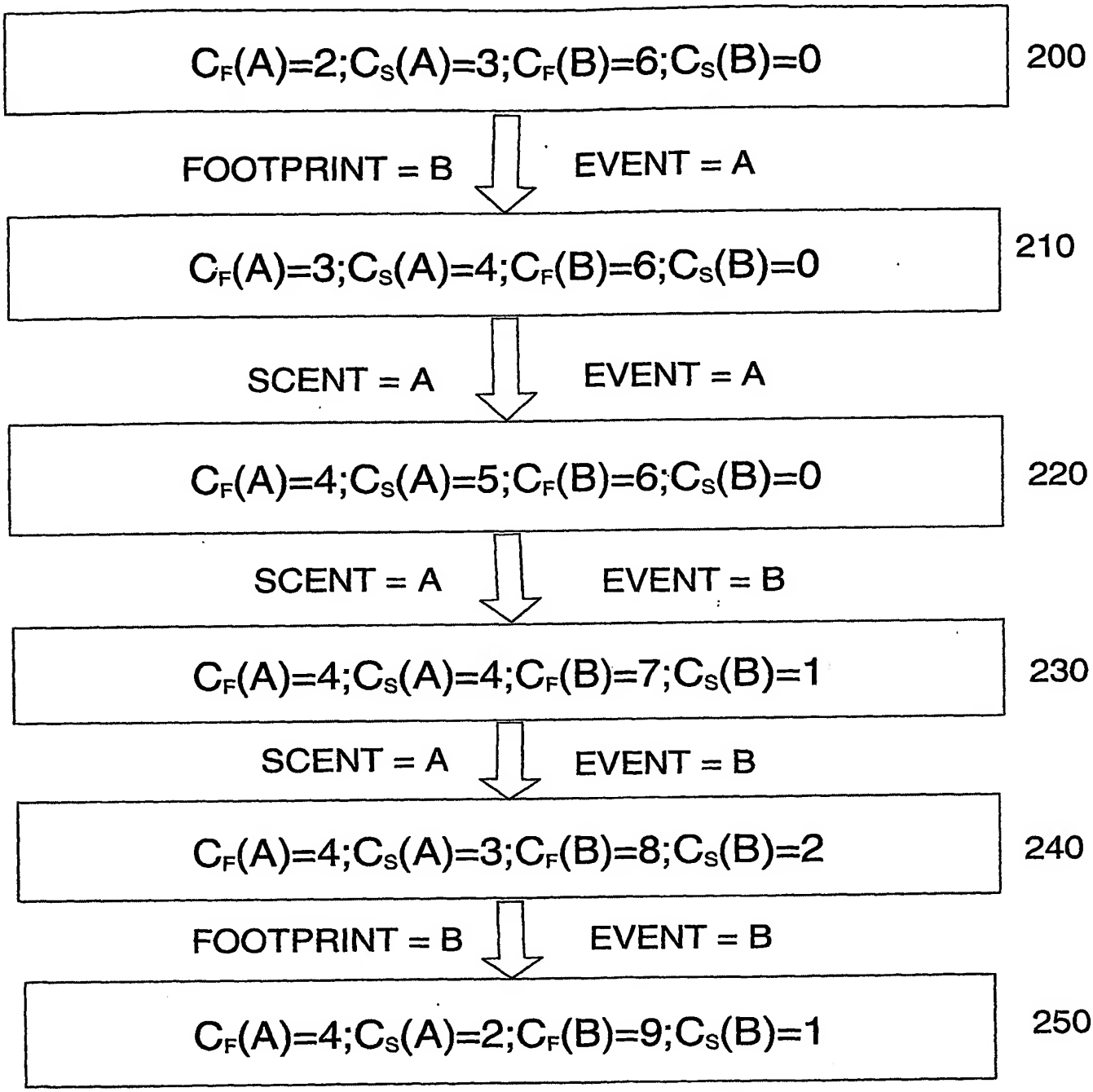
$C_F(A)=2;C_S(A)=3;C_F(B)=6;C_S(B)=0$
200
FOOTPRINT = B
EVENT = A
$C_F(A)=3;C_S(A)=4;C_F(B)=6;C_S(B)=0$
210
SCENT = A
EVENT = A
$C_F(A)=4;C_S(A)=5;C_F(B)=6;C_S(B)=0$
220
SCENT = A
EVENT = B
$C_F(A)=4;C_S(A)=4;C_F(B)=7;C_S(B)=1$
230
SCENT = A
EVENT = B
$C_F(A)=4;C_S(A)=3;C_F(B)=8;C_S(B)=2$
240
FOOTPRINT = B
EVENT = B
$C_F(A)=4;C_S(A)=2;C_F(B)=9;C_S(B)=1$
250

Figure 6